

# ● PRINTER RUSH ●

(PTO ASSISTANCE)

Application :	<u>09/890 44</u>	Examiner :	<u><del>B. R. Smith</del> Banankhan</u>	GAU :	<u>2127</u>
From :	<u>CA</u>	Location :	<u>(IDC)</u> FMF FDC	Date :	<u>5-18-05</u>
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METHOD AND SYSTEM FOR MULTI-THREADED OBJECT LOADING AND UNLOADING

FIELD OF THE INVENTION

The present invention relates to distributed object systems and more specifically loading and unloading of objects using multi-thread.

BACKGROUND OF THE INVENTION

With the rise of the interconnected computer networks such as the Internet, it is possible to construct complex transaction-based applications that are distributed over several networked computers. In the simplest scenario, in general, these transaction-based applications function in the following way. A software application program, which executes on a client, initiates a transaction that requires access to services provided by a distant computer, called a server. Examples of these services could be an update to a database such as a bank's database, an execution of a purchase order such as in the case of purchase of a security and the like. Typically, the client sends a "request" message to the server, which then sends a "response" message containing a response to the request.

Typically, the server is not a single computer, rather a collection of interconnected heterogeneous computers. The request message must then be formatted in such a way that all the interconnected computers can understand and respond to the request message. If the collection of interconnected computers is configured in an object-oriented programming model, then software object (or objects) that are capable of working together to provide a response to the request message can be distributed among the several computers. But in order to access the objects from a remote computer the objects must somehow publish their existence, their addresses, their properties, the services they provide, and other details to the "outside" world. Then, a client may be able to use the services provided by sending a request message in a manner similar to making a remote procedure call ("rpc") and obtaining a response to that message.

Various paradigms exist as a result of the need to standardize the methods by which objects can be distributed and accessed over a network. These are Microsoft Corporation's Distributed Component Object Model (DCOM), JavaSoft's Java/Remote



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<b>APPLICANTS</b> Matthew A Mihic, Cambridge, MA; <b>CONTINUING DATA</b> <i>Yes MB</i> THIS APPLICATION IS A 371 OF PCT/US00/02015 01/28/2000 AND CLAIMS BENEFIT OF 60/117,945 01/29/1999 AND CLAIMS BENEFIT OF 60/126,554 03/26/1999 (*) Data inconsistent with PTO records. <b>FOREIGN APPLICATIONS</b> <i>No MB</i>					
Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged <i>M. B.</i> Examiner's Signature Initials		<b>STATE OR COUNTRY</b> MA	<b>SHEETS DRAWING</b> 7	<b>TOTAL CLAIMS</b> 16	<b>INDEPENDENT CLAIMS</b> 3
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<b>FILING FEE RECEIVED</b> 820	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		